	Application No.	Applicant(s)
Notice of Allowability	09/872,647	SRIVASTAVA ET AL.
	Examiner	**Art Unit**	
	Satish S. Rampuria	2191	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to *10/22/2007*.

2. ☒ The allowed claim(s) is/are *1,2,5-18 and 21-34*.

3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

    a) ☐ All   b) ☐ Some*   c) ☐ None   of the:

        1. ☐ Certified copies of the priority documents have been received.

        2. ☐ Certified copies of the priority documents have been received in Application No. _____ .

        3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the

            International Bureau (PCT Rule 17.2(a)).

    * Certified copies not received: _____ .

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application. **THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.

5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.

    (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached

        1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____ .

    (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of

        Paper No./Mail Date _____ .

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).

6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☒ Notice of References Cited (PTO-892)

2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)

3. ☐ Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date _____

4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material

5. ☐ Notice of Informal Patent Application

6. ☒ Interview Summary (PTO-413), Paper No./Mail Date *12/18/07* .

7. ☒ Examiner's Amendment/Comment

8. ☐ Examiner's Statement of Reasons for Allowance

9. ☐ Other _____ .

DETAILED ACTION

This action is in response to the amendment filed on 10/22/2007.

Claims 1, 2, 5-18, 21-34 are allowed.

Claims 3, 4, 19, 20 are cancelled with this examiner's amendment.

Claims 1, 17, and 32 are amended with this examiner's amendment.

Examiner's Amendment

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Erich Tzou [Reg. No. 56,927] on December 18, 2007.

Please amend the specification as follows.

[0049] The term "computer-usable medium," as used herein, refers to any medium that provides information or is usable by the processor(s) 607. Such a medium may take many forms, including, but not limited to, non-volatile[[,]] and volatile and transmission media. Nonvolatile media, i.e., media that can retain information in the absence of power, includes the ROM 609. Volatile media, i.e., media that can not retain information in the absence of power, includes the main memory 608. Transmission media includes coaxial cables, copper wire and fiber optics, including the wires that comprise the bus 606. Transmission media can also take the form of carrier waves; i.e., electromagnetic waves that can be modulated, as in frequency, amplitude or phase, to transmit information signals. Additionally, transmission media can take the form of acoustic or light waves, such as those generated during radio wave and infrared data communications.

[0050] Common forms of computer-usable media include, for example: a floppy disk, flexible disk, hard disk, magnetic tape, any other magnetic medium, CD-ROM, any other optical medium, punchcards, papertape, any other physical medium with patterns of holes, RAM, ROM, PROM (i.e., programmable read only memory), EPROM (i.e., erasable programmable read only memory), including FLASH-EPROM, any other memory chip or cartridge, carrier waves, or any other medium from which a processor 607 can retrieve information. Various forms of computer-usable media may be involved in providing one or more sequences of one or more instructions to the processor(s) 607 for execution. The instructions received by the main memory 608 may optionally be stored on the storage device 610, either before or after their execution by the processor(s) 607.

[0051] Each processing unit may also include a communication interface 614 coupled to the bus 606. The communication interface 614 provides two-way communication between the respective user stations 524 and the host computer 522. The communication interface 614 of a respective processing unit transmits and receives electrical, electromagnetic or optical signals that include data streams representing various types of information, including instructions, messages and data. A communication link 615 links a respective user station 524 and a host computer 522. The communication link 615 may be a LAN 526, in which case the communication interface 614 may be a LAN card. Alternatively, the communication link 615 may be a PSTN 528, in which case the communication interface 614 may be an integrated services digital network (ISDN) card or a modem. Also, as a further alternative, the communication link 615 may be a wireless network 530. A processing unit may transmit and receive messages, data, and instructions, including program, i.e., application, code, through its respective communication link 615 and communication interface 614. Received program code may be executed by the

respective processor(s) 607 as it is received, and/or stored in the storage device
610, or other associated non-volatile media, for later execution. ~~In this manner,~~
~~a processing unit may receive messages, data and/or program code in the form of~~
~~a carrier wave.~~

In the claims

Please amend claims 1, 5, 6, 8, 17, 21, 22, and 32 as follows.

1. (Currently Amended) A process for materializing a trace in a markup language
syntax, comprising:
receiving a first trace over a network, the first trace associated with a first trace log, in
which the first trace is generated in response to a flow of execution of a software
application;

parsing the first trace;

· generating a new version of the first trace in a markup language syntax in response to
the flow of execution of the software application; and

<u>analyzing a second trace log, identify and hyperlink corresponding trace in the second
trace log; and</u>

storing the new version of the first trace in computer ~~readable~~ <u>usable</u> medium, <u>wherein</u>
the new version of the first trace <u>is</u> capable of navigating to one or more corresponding
second traces associated with one or more second trace logs <u>and comprises a
hyperlink to another trace</u>.

<u>Claim 3 (cancelled),</u>

<u>Claim 4 (cancelled),</u>

<u>Claim 5 (Currently amended),</u>

At line 1, delete [claim 4] and add --claim 1--.

<u>Claim 6 (Currently amended),</u>

At line 1, delete [claim 4] and add --claim 1--.

<u>Claim 8 (Currently amended),</u>

At line 1, delete [claim 4] and add --claim 1--.

17. (Currently Amended) A system for utilizing a trace materialized in markup language syntax, comprising:

a first trace, the trace associated with a first trace log, in which the first trace is generated in response to a flow of execution of a software application;

a parser that parses the first trace;

<u>a processor analyzing a second trace log, identify and hyperlink corresponding trace in the second trace log;</u>

a markup language converter mechanism to automatically convert the first trace into a new version of the first trace in a markup language syntax in response to the flow of execution of the software application; ~~and~~

<u>means for storing the new version of the first trace in a computer usable medium; and</u>

a browser to view the new version of the first trace in the markup language syntax, <u>wherein</u> the new version of the first trace capable of navigating to one or more corresponding second traces associated with one or more second trace logs <u>and comprises a hyperlink to another trace.</u>

<u>Claim 19 (cancelled),</u>

<u>Claim 20 (cancelled),</u>

<u>Claim 21 (Currently amended),</u>

At line 1, delete [claim 20] and add --claim 17--.

<u>Claim 22 (Currently amended),</u>

At line 1, delete [claim 20] and add --claim 17--.

32. (Currently Amended) A computer program product that includes a computer-usable volatile or nonvolatile medium having a sequence of instructions which, when executed by a processor, causes said processor to execute a process for materializing a trace in a markup language syntax, said process comprising:

receiving a first trace, the first trace associated with a first trace log, in which the first trace is generated in response to a flow of execution of a software application;

parsing the first trace; and

analyzing a second trace log to identify and hyperlink corresponding trace in the second trace log; and

generating a new version of the first trace in a markup language syntax in response to the flow of execution of the software application and storing the new version of the first trace in a computer usable medium, wherein the new version of the first trace is capable of navigating to one or more corresponding second traces associated with one or more second trace logs and comprises a hyperlink to another trace.

Reasons for Allowance

The following is an examiner's statement of reasons for allowance:

As pointed out by the Applicants in the Remark that the cited prior art (Berry [6,598,012] and Sotomayor [5,708,825]) taken alone or in combination fail to teach, in combination with the other claimed limitations, "…a new version of the first trace in a markup language syntax in response to the flow of execution… and analyzing a second trace log, identify and hyperlink corresponding trace in the second trace log; and storing the new version of the first trace… the new version of the first trace is capable of navigating… second traces associated with one or more second trace logs and comprises a hyperlink to another trace" as recited in claims 1, 17, and 32. Further, for

the purpose of examination, the deletion of such embodiments is being treated as an explicit act to remove such embodiments from the scope of the claims.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Satish S. Rampuria whose telephone number is (571) 272-3732. The examiner can normally be reached on 8:30 am to 5:00 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Wei Y. Zhen can be reached on (571) 272-3708. Any inquiry of a general nature or relating to the status of this application should be directed to the TC 2100 Group receptionist: 571-272-2100.

Information regarding the status of an application may be obtained from the Patent

Application Information Retrieval (PAIR) system. Status information for published

applications may be obtained from either Private PAIR or Public PAIR. Status

information for unpublished applications is available through Private PAIR only. For

more information about the PAIR system, see http://pair-direct.uspto.gov. Should you

have questions on access to the Private PAIR system, contact the Electronic Business

Center (EBC) at 866-217-9197 (toll-free).

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SUPERVISORY PATENT EXAMINER